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(21) Applicant: DIAGEN Institut für
molekularbiologische Diagnostik GmbH
Niederheider Strasse 3
D-4000 Düsseldorf 13(DE)

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(22) Inventor: Henco, Karsten, Dr.
Schlickumer Weg 23
D-4006 Erkrath 2(DE)
Inventor: Stichel, Arndt
Jürgensplatz 34
D-4000 Düsseldorf 1(DE)
Inventor: Colpan, Metin, Dr.
Karschhauser Strasse 18
D-4006 Erkrath 2(DE)

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(22) Representative: Werner, Hans-Karsten et al
Patentanwälte Schönwald-Eishold-Fues- von
Kreisler-Keller-Selting-Werner
Deichmannhaus
D-5000 Köln 1(DE)

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(54) Method for separating long-chain nucleic acids.

(57) Long-chain nucleic acids are separated from other substances from solutions containing nucleic acids and other materials, and more particularly nucleic acid/protein mixtures from biotechnical preparations from bacteria, viruses, animal and vegetable tissues and cells as well as body liquids, more particularly cell ingredients and/or degradation products thereof as well as components of body liquids which components are not long-chain nucleic acids, by that the long-chain nucleic acids in the nucleic acid-containing solutions, or after disintegration under mild conditions of the tissue cells and/or cells from body liquids are fixed on a porous matrix, whereas the substances to be separated therefrom are washed out from the matrix, and the fixed nucleic acids, if desired, are subsequently removed from the matrix. A device for carrying out the method preferably consists of a cartridge (1) containing the porous matrix (11) and having at least one inlet opening (3)

and at least one outlet opening (4).

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	PHARMACIA, FPLC SYSTEM, HIGH PERFORMANCE PURIFICATION OF BIOMOLECULES, September 1986, pages 2-46, Rahms i Lund, Uppsala, SE * Pages 26-29 * ---	1-32	C 07 H 1/08 C 12 N 15/00 C 12 P 19/34
Y	PHARMACIA, FPLC: MEDIA AND COLUMN GUIDE, HIGH PERFORMANCE SEPARATION OF BIOMOLECULES, pages 1-16, Uppsala, SE * Pages 6,18 *	1-32	
Y	PATENT ABSTRACTS OF JAPAN, vol. 11, no. 13 (C-397)[2460], 14th January 1987; & JP-A-61 187 793 (SAGAMI CHEM. RES. CENTER) 21-08-1986 * Abstract *	1-32	
P,X	EP-A-0 240 191 (SEIKO INSTRUMENTS INC.) * Abstract; column 1, lines 52-55; claim 3 *	1	
	-----		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 07 H 1/00 C 07 H 21/00 C 12 N 15/00 C 12 P 19/00
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	16-11-1989	SCOTT J.R.M.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			